

| L Number | Hits   | Search Text  | DB    |
|----------|--------|--|-------|
| 1        | 1      | ("5767538").PN.  | USPAT |
| 2        | 0      | wcsp and (light adj barrier adj coating)   | USPAT |
| 3        | 0      | chip and (light adj barrier adj coating)   | USPAT |
| 4        | 129    | chip and (light adj barrier)   | USPAT |
| 5        | 0      | (chip and (light adj barrier)) and (photon adj induced adj currents)                                 | USPAT |
| 6        | 0      | (chip and (light adj barrier)) and (photon adj 4 currents)   | USPAT |
| 8        | 129    | (chip and (light adj barrier)) and barrier   | USPAT |
| 7        | 12     | (chip and (light adj barrier)) and photon  | USPAT |
| 11       | 38     | chip and (current adj barrier)   | USPAT |
| 12       | 2144   | semiconductor and barrier and photon   | USPAT |
| 13       | 1895   | (semiconductor and barrier and photon) and light   | USPAT |
| 14       | 81     | (semiconductor and barrier and photon) and (ambient adj light)                                       | USPAT |
| 15       | 86     | semiconductor and (barrier adj region) and photon  | USPAT |
| 16       | 75     | (semiconductor and (barrier adj region) and photon) and light  | USPAT |
| 17       | 0      | (semiconductor and (barrier adj region) and photon) and (ambient adj light)                          | USPAT |
| 18       | 1      | ((semiconductor and (barrier adj region) and photon) and light) and (solder adj bumps)               | USPAT |
| 19       | 69     | (semiconductor and (barrier adj region) and photon) and voltage                                      | USPAT |
| 21       | 0      | ((semiconductor and barrier and photon) and (ambient adj light)) and voltage) and (solder adj bumps) | USPAT |
| 20       | 66     | ((semiconductor and barrier and photon) and (ambient adj light)) and voltage                         | USPAT |
| 22       | 0      | semiconductor and (n adj type adj barrier adj region) and photon                                     | USPAT |
| 23       | 4      | semiconductor and (n adj type adj barrier) and photon  | USPAT |
| 24       | 1      | "5413942".PN.  | USPAT |
| 25       | 1      | "5413942".PN.  | USPAT |
| 26       | 172387 | photon adj current barrier   | USPAT |
| 27       | 172341 | photon adj currentadj barrier  | USPAT |

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|    |     |  |                                   |
|----|-----|--|-----------------------------------|
| 28 | 0   | photon adj current adj barrier                                 | USPAT                             |
| 29 | 0   | photon adj2 current adj2 barrier                               | USPAT                             |
| 30 | 0   | photon adj2 current adj4 barrier                               | USPAT                             |
| 31 | 0   | photon and (barrier adj rings)                                 | USPAT                             |
| 32 | 0   | photon and (barrier adj2 rings)                                | USPAT                             |
| 33 | 6   | semiconductor and ( type adj barrier adj region) and photon    | USPAT                             |
| 34 | 1   | semiconductor and ( type adj barrier adj region) and photon    | US-PGPUB;<br>EPO; JPO             |
| 35 | 4   | semiconductor and (n adj type adj barrier) and photon          | US-PGPUB;<br>EPO; JPO             |
| 36 | 0   | (semiconductor and barrier and photon) and (ambient adj light) | US-PGPUB;<br>EPO; JPO             |
| 37 | 60  | chip and (light adj barrier)                                   | US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 38 | 403 | chip and (light adj blocking)                                  | US-PGPUB;<br>EPO; JPO;<br>DERWENT |
| 39 | 0   | (chip and (light adj blocking)) and photon                     | USPAT                             |

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